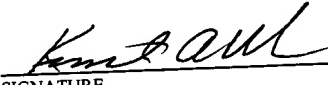


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JE19 Rec'd PCT/PTO 15 JUN 2001

FORM PTO-1390 (REV. 11-2000)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 15280-3511US	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 09/786,666	
INTERNATIONAL APPLICATION NO. PCT/US99/20541		INTERNATIONAL FILING DATE 07 September 1999		PRIORITY DATE CLAIMED 08 September 1998	
TITLE OF INVENTION PTERIDINE NUCLEOTIDE ANALOGS					
APPLICANT(S) FOR DO/EO/US HAWKINS, Mary E.; BALIS, Frank; PFLEIDERER, Wolfgang					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
1. <input type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 36 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31). 5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 37(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)). a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A FIRST preliminary amendment. 14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A change of power of attorney and/or address letter. 17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 36 U.S.C. 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: copy of Notification of Missing Requirements Communication under 37 C.F.R. 1.821-1.825 and Preliminary Amendment copy of Notification to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures					

I/S Application No. (if known, see 37 CFR 1.5) 09/786,666		INTERNATIONAL APPLICATION NO. PCT/US99/20541	ATTORNEY'S DOCKET NUMBER 15280-3511US																														
21. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492(A) (1) - (5)): Neither international preliminary examination fee (37 CFR 1.492) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO\$1000.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO but International Search report prepared by the EPO of JPO\$860.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO\$710.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)\$690.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)(4)\$100.00 ENTER APPROPRIATE BASIC FEE AMOUNT = \$ Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)). \$130.00			CALCULATIONS PTO USE ONLY																														
<table border="1"><thead><tr><th>CLAIMS</th><th>NUMBER FILED</th><th>NUMBER EXTRA</th><th>RATE</th><th>\$</th></tr></thead><tbody><tr><td>Total claims</td><td>- 20 =</td><td></td><td>x \$18.00</td><td>\$</td></tr><tr><td>Independent claims</td><td>- 3 =</td><td></td><td>x \$80.00</td><td>\$</td></tr><tr><td colspan="4"></td><td>+ 270.00</td></tr><tr><td colspan="4"></td><td>\$</td></tr></tbody></table> MULTIPLE DEPENDENT CLAIM(S) (if applicable) \$130.00 TOTAL OF ABOVE CALCULATIONS = \$ <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. + \$ SUBTOTAL = \$130.00 Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). \$ TOTAL NATIONAL FEE = \$130.00 Fee for recording the enclosed assignment (37 CFR 1.2(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ TOTAL FEES ENCLOSED = \$130.00 <table border="1"><tr><td>Amount to be refunded:</td><td>\$</td></tr><tr><td>charged:</td><td>\$</td></tr></table>			CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	Total claims	- 20 =		x \$18.00	\$	Independent claims	- 3 =		x \$80.00	\$					+ 270.00					\$	Amount to be refunded:	\$	charged:	\$		
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a. <input type="checkbox"/> A check in the amount of \$_____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 20-1430 in the amount of \$130.00 to cover the above fees. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 20-1430. A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. 06/20/2001 HNDUTEN 00000122 201430 09786666 01 FC:154 130.00 CH NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status. SEND ALL CORRESPONDENCE TO: Joseph R. Snyder Townsend and Townsend and Crew LLP Two Embarcadero Center, 8th Floor San Francisco, CA 94111 <div style="text-align: right;"> SIGNATURE Kenneth A. Weber NAME 31,667 REGISTRATION NUMBER</div>																																	

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EXPRESS MAIL NO.: EL827032383US

DATE OF DEPOSIT: June 15, 2001

Attorney Docket No.: 15280-3511US

Enclosures:

Form PTO 1390

Declaration and Power of Attorney

Communication under 37 C.F.R. 1.821-1.825 and Preliminary
Amendment

copy of Notification of Missing Requirements

copy of Notification to Comply with Requirements for Patent
Applications Containing Nucleotide Sequence and/or
Amino Acid Sequence Disclosures